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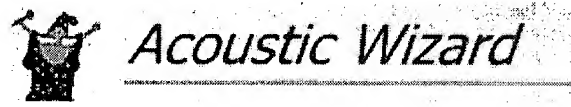
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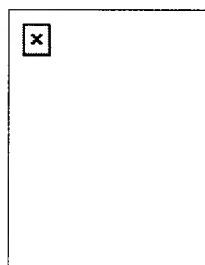
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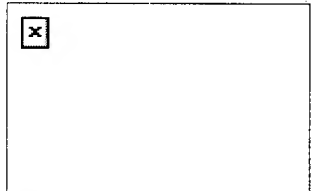


ACOUSTIC SEALANTS



Sound leaks through even the smallest gaps. This figure shows how sound will leak at the intersection of a masonry wall and ceiling and also at the edge joint of the wall and floor. All penetrations through the wall, such as wastepipes and air conditioning ducts should also be sealed airtight using a non-setting fire-rated mastic sealant.

Sound will leak through a wall if gaps are not sealed properly. This figure shows how caulking the perimeter of the base layer on both sides of the partition will prevent sound leakage.



Caulking to prevent sound leakage

Acoustic Sealant Products include :

	<p>CSR Gyprock Fire Mastic is designed for sealing around pipes, conduits, busways, cable trays and ducts which penetrate walls, floors and ceilings. It will bond to plasterboard, masonry, concrete, metal deflection heads and cable coverings.</p> <p>For more information visi : http://www.gyprock.com.au/technical/</p>
	<p>Promaseal Acrylic Sealant is a flexible water based gunnable sealant and is supplied in 300ml cartridges, 600ml sausages and 10 litre pails.</p> <p>For more information visit : http://www.certifire.com.au/products/fyerguard/fyr2.htm</p>
	<p>Bostik fireban is a fire rated, single component, low modulus polyurethane sealant curing via air humidity to form a elastomeric weatherproof fire rated seal.</p> <p>For more information visit :</p>



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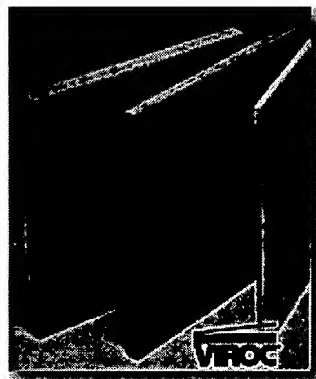


Architectural Sales, Inc.

Viroc


Boards

Viroc is a cement bonded particle board composed of wood particles and Portland cement. Viroc fabricates like wood and has a smooth surface. It can be used for interiors and exteriors and is constructed in such a way and made of a mixture of materials that make it an outstanding product able to resist fire and water. Viroc also has high impact resistance and significant acoustic performance.



Construction Details

- Flooring
- Exterior Wall Construction
- Interior Wall Construction



Case Studies

The following is an RES project using Viroc boards.

Case Study #11

Ceilings / Government

Case Study #16

Flooring / Manufacturing

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Flooring / Commercial

Case Study #43

Flooring / Residential



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**Case Study**

Case Study #11

Project

Erie County Court House
Toledo, OH (1,500 SF)

Scope of Work

Detention cell walls and ceilings

Architect

Mike Russell
Poggemeyer Design Group
Bowling Green, OH

Contractor

Hula Construction
Castalia, OH

Product / Manufacturer

Viroc

Distributor

RES

Completed

Winter 2000



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Presents... **VIROC**

Allied Building Products presents VIROC ... a cement bonded particle board composed of wood particles and Portland cement. It is light gray in color and is flat and smooth on both surfaces. Sized 4X8 and 4X10 foot, VIROC combines the strength and flexibility of wood with the durability and resistant qualities of cement.

FEATURES	ADVANTAGES
Strength and Stability	VIROC functions well as a structural substrate in prefabricated modular or on-site construction, employing either steel or wood studs.
Fire Resistant	VIROC is noncombustible (ASTM E-136) and has superior structural integrity.
Water, Freeze and Thaw Resistant	VIROC is stable when subjected to water immersion without any sealant applied to the board. It will not delaminate in water and is dimensionally stable.
Impact Resistant	Test results of ASTM D-256 indicate that VIROC is capable of successfully resisting substantial impact forces without experiencing breakage or fissuring.
Sound Resistant Acoustic Performance	As a result of its mass, VIROC offers excellent sound attenuation.
Ease in Installation	VIROC assemblies are <u>lightweight</u> , fire resistant and structurally sound. These features make VIROC easy to install and contribute to significant in-place economies.
Multiple Applications	VIROC is designed to accept a variety of decorative and protective surface coatings. Its smooth surface is an excellent base for paints as well as synthetic stucco finishes.
VIROC does not present health hazards, and is environmentally safe.	The uniting of wood fiber and Portland cement produces a building panel which is non-toxic. VIROC does not contain asbestos, silica or other carcinogenic agents.
Fabricates Like Wood	VIROC's properties are non-directional and present no difficulties when installing regardless of panel orientation VIROC may be sawn, planed, sanded, drilled, routed, nailed and screwed.
Weatherability/Durability	VIROC has been used in a wide range of climatic conditions throughout the world and has been thoroughly tested for weatherability and durability.
BOCA-ES Evaluated	VIROC has been evaluated by BOCA-ES, as Type T2 Cement Bonded Particleboard, Research File No. 94-61, Division 06-Section 06128.
	City of New York MEA# 179-95-M.

Additional Approvals	
Limited Warranty	VIROC is warranted not to crack, spall or degrade for a period of five years.

1-888-OK-VIROC

Visit Allied Building Material's VIROC Page

Phone, fax or e-mail for pricing information.

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Castleblock can be reached at 1-800-672-7872

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